

JUN 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
24 June 2004 (24.06.2004)

PCT

(10) International Publication Number
WO 2004/053486 A1

(51) International Patent Classification⁷: G01N 33/50, C12Q 1/18

(21) International Application Number:
PCT/GB2003/005373

(22) International Filing Date: 9 December 2003 (09.12.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0228702.7 9 December 2002 (09.12.2002) GB

(71) Applicant (for all designated States except US): OXFORD
GLYCOSCIENCES (UK) LTD [GB/GB]; The Forum, 86
Milton Park, Abingdon, Oxfordshire OX14 4RY (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): VOUSDEN, Katherine, Ann [GB/GB]; 86 Milton Park, Abingdon, Oxfordshire OX14 4RY (GB).

(74) Agent: THOMPSON, John; Celltech R & D Limited, 208
Bath Road, Slough, Berkshire SL1 3WE (GB).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

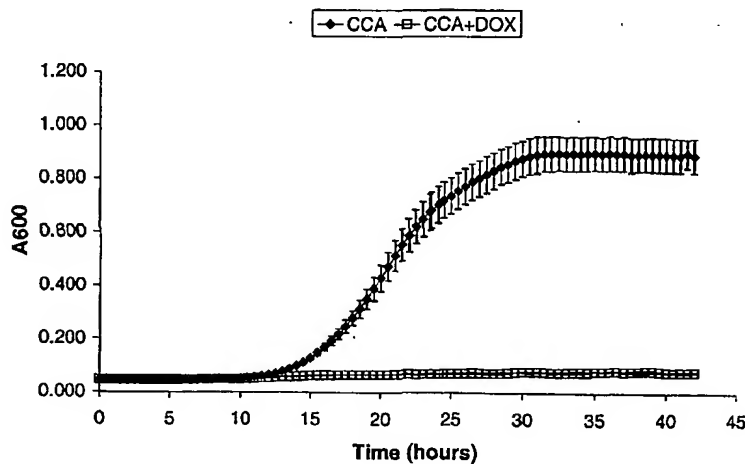
(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CCA1 AS AN ANTIFUNGAL TARGET



(57) Abstract: The invention provides ATP(CTP) : tRNA nucleotidyltransferase (CCA1) as a novel antifungal target, screening methods for CCA1 inhibitors and their use as antifungal compounds, pharmaceutical compositions containing them and their use in medicine. Specifically in the treatment of an individual susceptible to or suffering from an anti-fungal infection. In particular the compounds find use in the treatment of topical or mucosal (e.g. thrush and vaginal candidiasis) fungal infections, e.g. caused by fungus of the Candida species, and for systemic infections, e.g. caused by fungi of Candida and Aspergillus species, such as but not limited to C. Albicans, Aspergillus flavus or Aspergillus fumigatus.

WO 2004/053486 A1